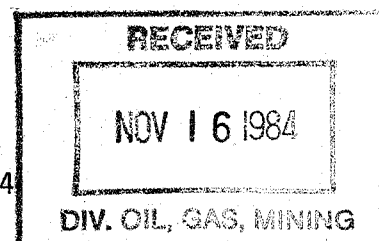


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November 13, 1984



U. S. Department of the Interior
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

Re: Antelope Canyon Federal #6-23
SE/NW Sec. 23, T9S, R15E
Duchesne County, Utah
Application for Permit to Drill

Gentlemen:

Please find enclosed the original and three (3) copies of our Application for Permit to Drill for the subject well.

It is requested that a copy of the approval be mailed to Lomax's Roosevelt Utah office at P. O. Box 1446, Roosevelt, Utah 84066.

If further information is required, please advise.

Yours very truly,

Paul Curry
Engineering Assistant

PC:da
Enclosures

cc: State of Utah
Division of Oil and Gas
4241 State Office Building
Salt Lake City, Utah 84114

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Lomax Exploration Company

3. ADDRESS OF OPERATOR

P. O. Box 4503 Houston, Texas 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface
1826' FNL & 1885' FWL SE/NW

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

16 miles SW of Myton Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

506'

16. NO. OF ACRES IN LEASE

320'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

6200' *Wanted*

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6325' Ungraded Ground

22. APPROX. DATE WORK WILL START*

December 1984

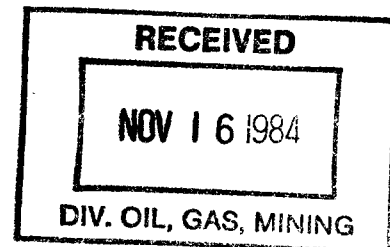
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13"	8-5/8"	24#	300	To surface
7-7/8"	5-1/2"	17#	TD	As required

NOTE: Anticipated Bottom Hole Pressure is 2700 PSI.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 11/27/84
BY: John R. B...



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] G.L. Pruitt TITLE V.P. Drilling & Production DATE November 13, 1984

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

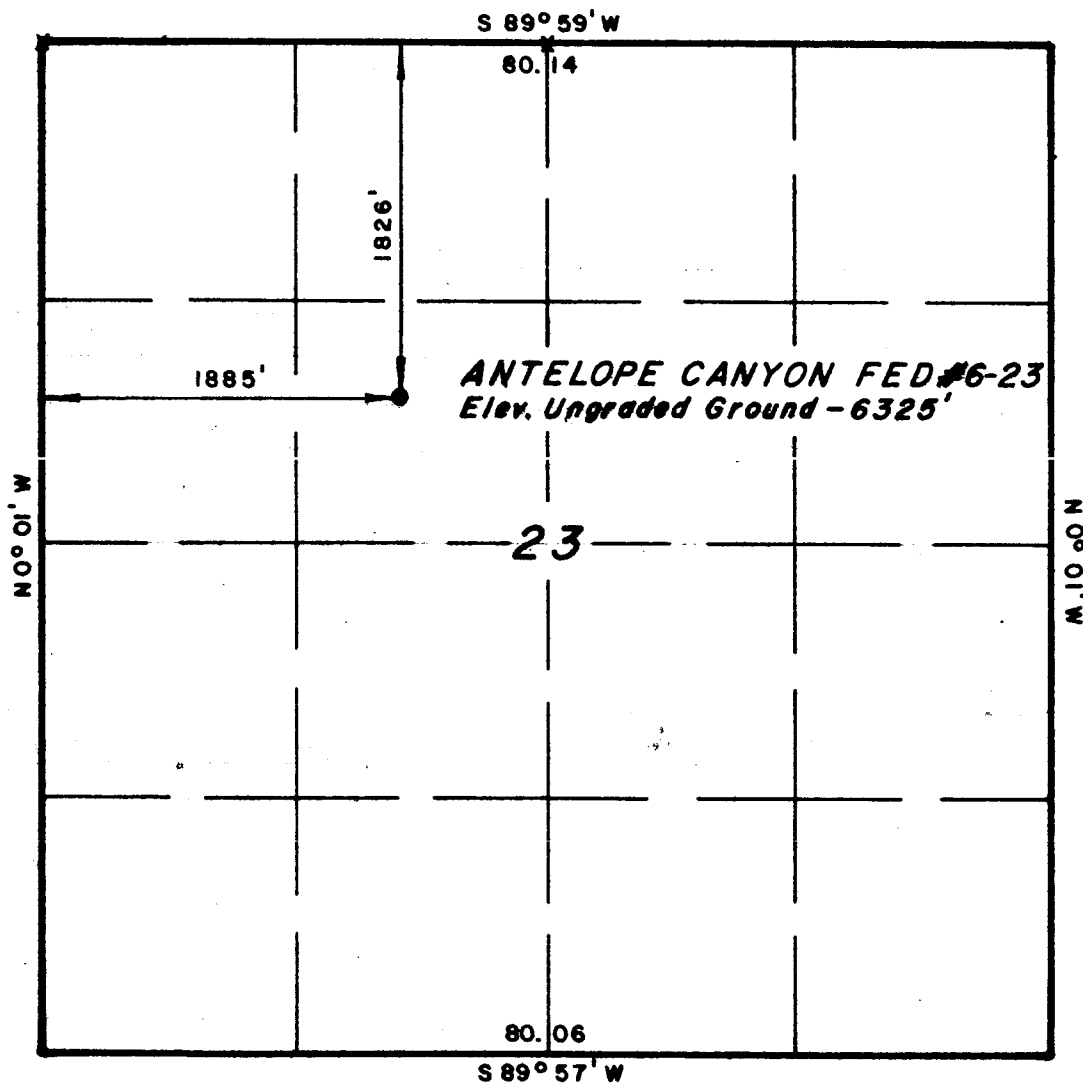
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T9S, R15E, S.L.B. & M.

PROJECT
LOMAX EXPLORATION CO.
 Well location, **ANTELOPE CANYON**
FED #6-23, located as shown
 in the SE 1/4 NW 1/4 Section 23,
 T9S, R15E, S.L.B. & M. Duchesne
 County, Utah.



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
 FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
 SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
 BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]
 REGISTERED LAND SURVEYOR
 REGISTRATION NO 2454
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 P. O. BOX Q - 85 SOUTH - 200 EAST
 VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 11/6/84
PARTY G.S. D.M. M.A.	REFERENCES GLO Plat
WEATHER Fair	FILE LOMAX

TEN POINT WELL PROGRAM

LOMAX EXPLORATION COMPANY
Antelope Canyon Federal #6-23
SE/NW Sec. 23, T9S, R15E
Duchesne County, Utah

1. Geologic Surface Formation

Uinta formation of Upper Eocene Age

2. Estimated Tops of Important Geologic Markers

Uinta	Surface
Green River	1700'
Wasatch	6000'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

Green River	5500'	Oil
-------------	-------	-----

4. Proposed Casing Program

8-5/8", 24# J-55 casing; set @ 300'
5-1/2", 17#, J-55 casing; set @ TD

All casing will be new

5. Minimum Specifications for Pressure Control

The operators minimum specifications for pressure control equipment are as follows:

A 10" Series 900 Hydril Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Pressure tests of BOP's to 1000# will be made prior to drilling surface plug and operation will be checked daily. (See Exhibit A)

6. Type and Characteristics of the Proposed Circulation Muds

It is proposed that the hole be drilled with fresh water to the "J" zone and with mud thereafter. The mud system will be a water based gel-chemical, weighted to 10.0 ppg as necessary for gas control.

7. Auxiliary Safety Equipment to be Used

Auxiliary safety equipment will be a Kelly Cock, and a T1W valve with drill pipe threads.

8. Testing, Logging and Coring Programs

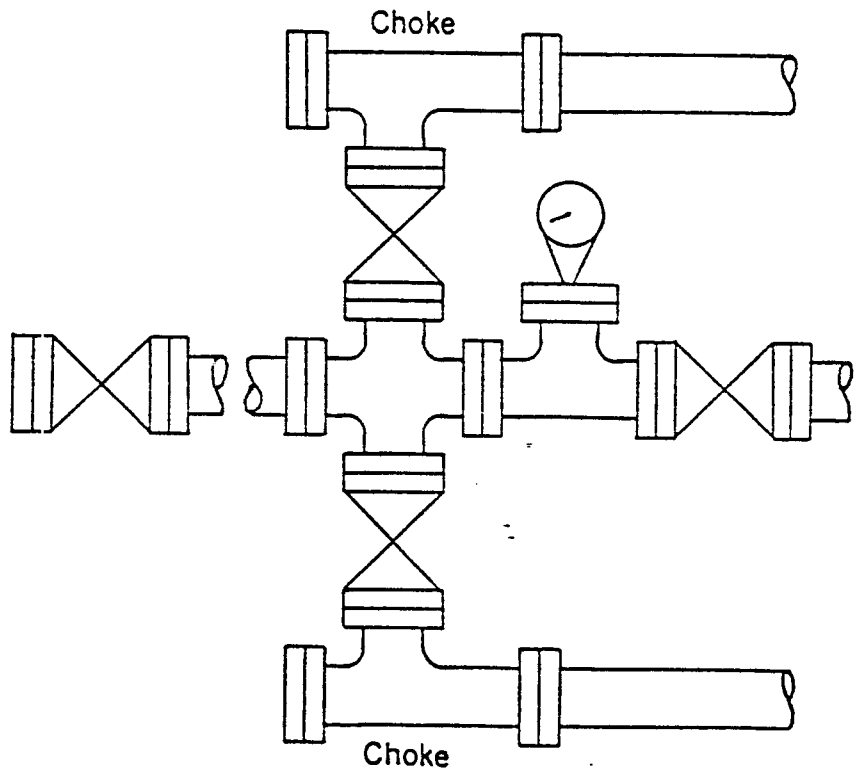
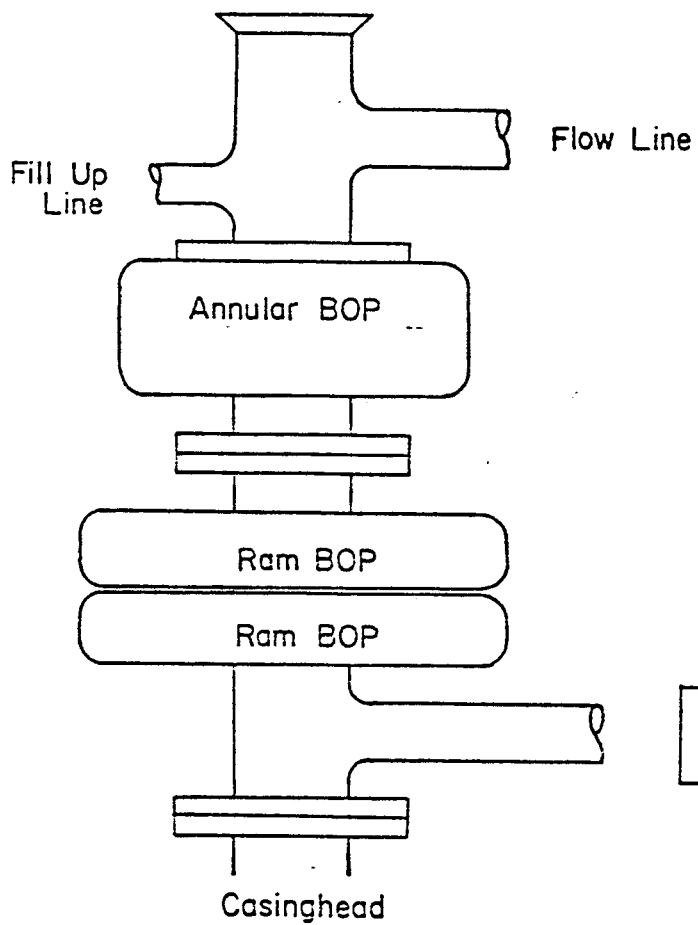
No coring or drill stem testing has been scheduled for this well. The logging will consist of a Dual Induction Laterolog and a Compensated Neutron-Formation Density.

9. Anticipated Abnormal Pressure or Temperature

It is not anticipated that abnormal pressures or temperatures will be encountered; nor that any other abnormal hazards such as H₂S gas will be encountered in this area.

10. Anticipated Starting Date and
Duration of the Operations

It is anticipated that operations will commence approximately December 1984.



ALL EQUIPMENT 3000 PSI OR HIGHER WORKING PRESSURE

LOMAX EXPLORATION CO.

13 Point Surface Use Plan

For

Well Location

Antelope Canyon Fed. #6-23

Located In

Section 23, T9S, R15E, S.L.B. & M.

Duchesne County, Utah

1. EXISTING ROADS

See attached Topographic Map "A".

To reach LOMAX EXPLORATION CO. well location site Antelope Canyon Fed. #6-23 located in the SE 1/4 NW 1/4 Section 23, T9S, R15E, S.L.B. & M., Duchesne County, Utah:

Proceed Westerly out of Myton, Utah along U.S. Highway 40 - 1.6 miles + to the Junction of this Highway and Utah State Highway 53; proceed in a Southerly direction along Utah State Highway 53 - 3.6 miles to its junction with an existing dirt road to the Southwest; proceed Southwesterly along this road 2.8 miles to its junction with an existing dirt road to the South proceed Southerly along this road - 3.9 miles to its junction with an existing dirt road to the Southwest (to be upgraded); proceed along this road 2.9 miles to the proposed location site.

The highway mentioned in the foregoing paragraph are bituminous surfaced roads to a point where Highway 216 exists to the South; thereafter the road is constructed with existing materials and gravels. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing areas they are located in, and range from clays to a sandy-clay shale material.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well will be maintained at the standards required by the B.L.M. or other controlling agencies. This maintenance will consist of some minor grader work for smoothing of road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

There will be no planned access road to this location site as the existing road goes to the location site. The existing road will require some minor upgrading to meet the following requirements.

The existing access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meterological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

There will be no culverts required along this access road.

LOMAX EXPLORATION CO.
Antelope Canyon Fed. #6-~~27~~
Section 23, T9S, R15E, S.L.B. & M.

There will be no turnouts required along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattleguards required.

The lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. The grade of this road will not exceed 8%.

3. LOCATION OF EXISTING WELLS

There are two known wells within a one mile radius of this location site. (See Topographic Map "B".)

There are no known water wells, shut-in wells for other resources within a one mile radius.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no known existing LOMAX EXPLORATION wells within a one mile radius of this location site.

A tank battery site will be set up at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to an existing battery in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities. If there is any deviation from the above, all appropriate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck from a private water source, in Pleasant Valley.

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No pit lining materials from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHOD OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable chemical toilet will be provided for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site shall be reseeded with a seed mixture recommended by the surface owner when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A").

The area is a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The Green River is located approximately 20 miles to the Southeast of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that are visible are of the Uintah formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

LOMAX EXPLORATION CO.
Antelope Canyon Fed. #6-
Section 23, T9S, R15E, S.L.B. & M.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area is sparse and consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area - (See Topographic Map "B")

Antelope Canyon Fed. #6-23 is located approximately 2.5 miles West of Wells Draw a non-perennial drainage which runs to the South.

The terrain in the vicinity of the location slopes from the West through the location site to the East at approximately 6.2% grade.

The vegetation in the immediate area surrounding the location site consists of grasses and sparse amounts of sagebrush.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archeological, historical or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B".)

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

G.L. Pruitt
Lomax Exploration Co.
P.O. Box 4503
Houston, TX 77210-4503
1-713-931-9276

LOMAX EXPLORATION CO.
Antelope Canyon Fed. #6-
Section 23, T9S, R15E, S.L.B. & M.

13. CERTIFICATION

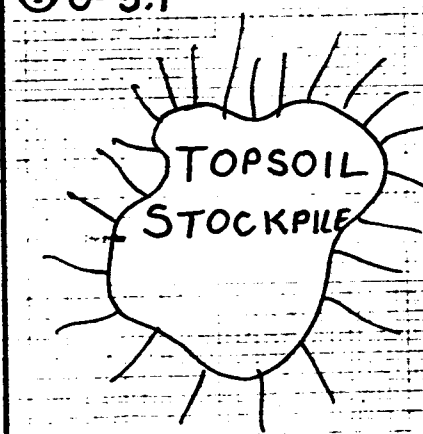
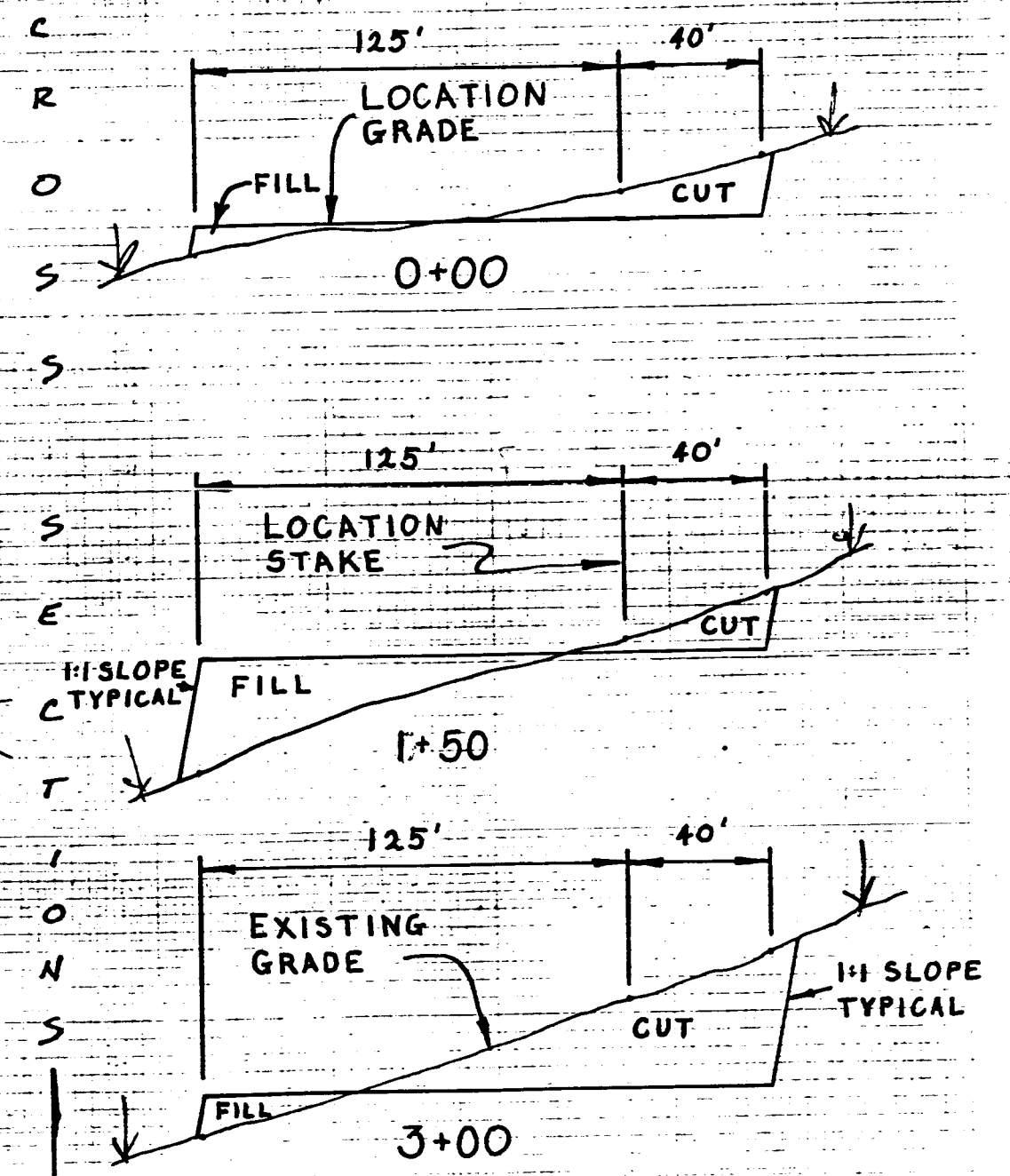
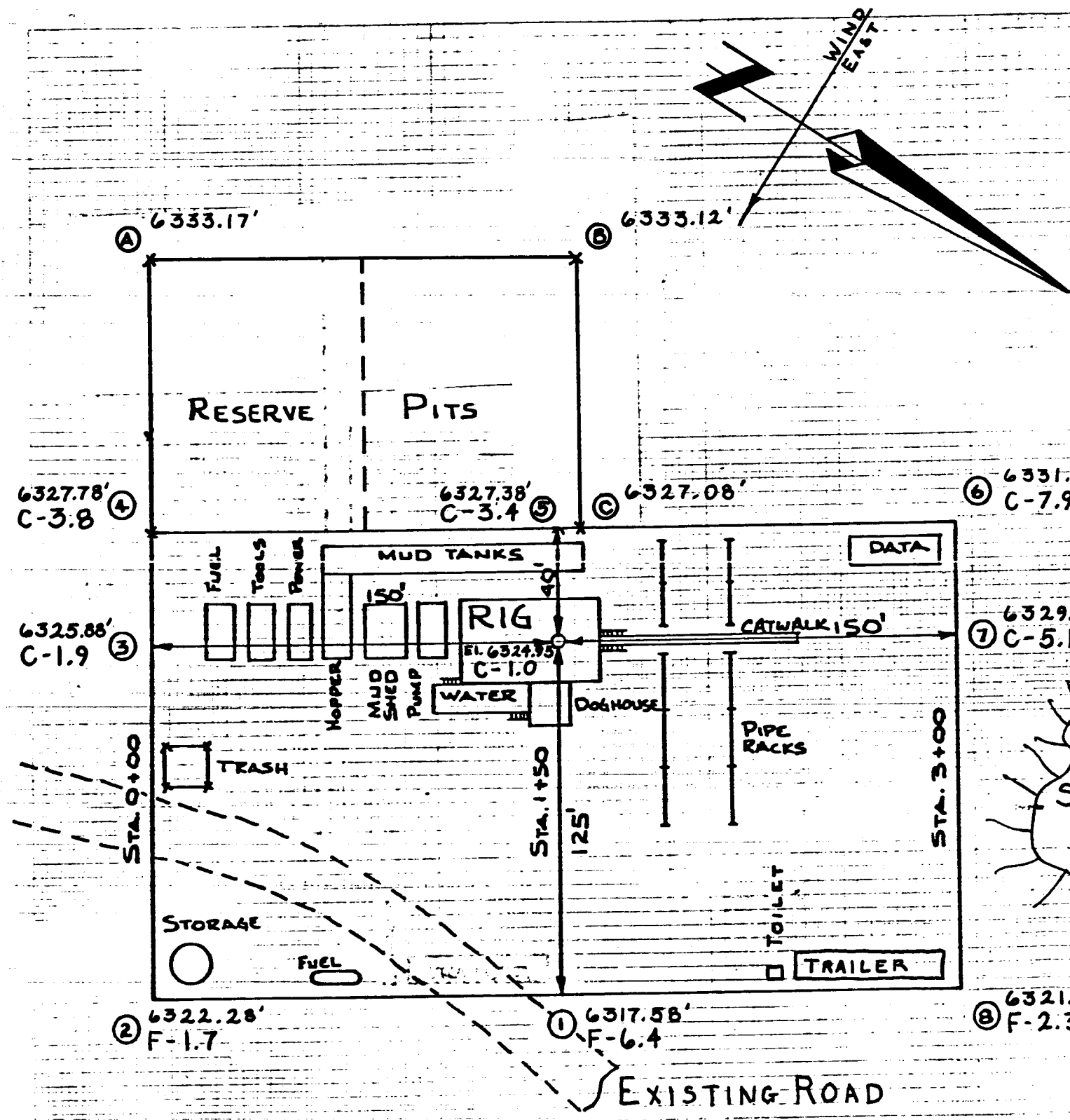
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by LOMAX EXPLORATION CO. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date

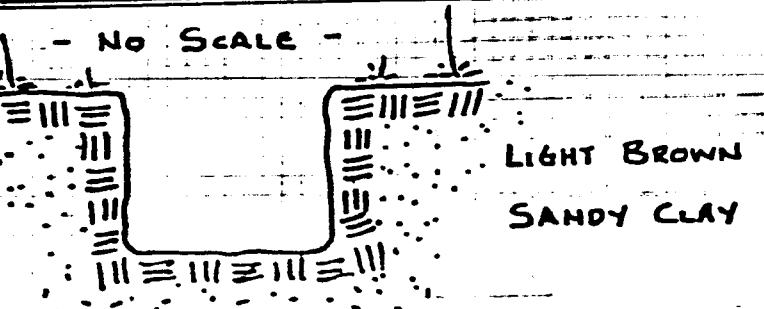
11/13/84

G.L. Pruitt

LOMAX EXPLORATION CO.
ANTELOPE CANYON FED #6-23

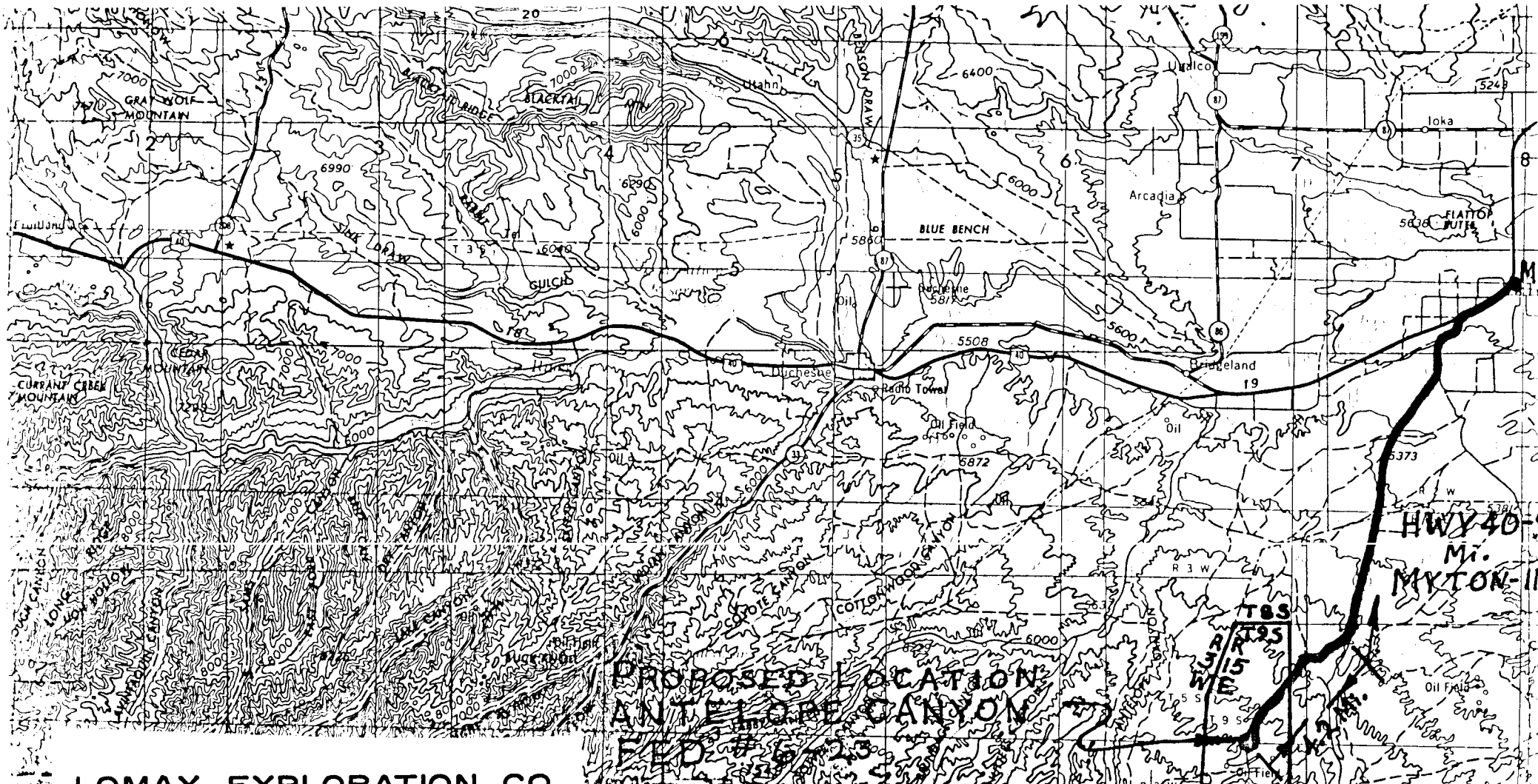


SOILS LITHOLOGY



SCALES
 1" = 50'

APPROX. YARDAGES
 CUBIC YARDS CUT = 3025
 CUBIC YARDS FILL = 2400



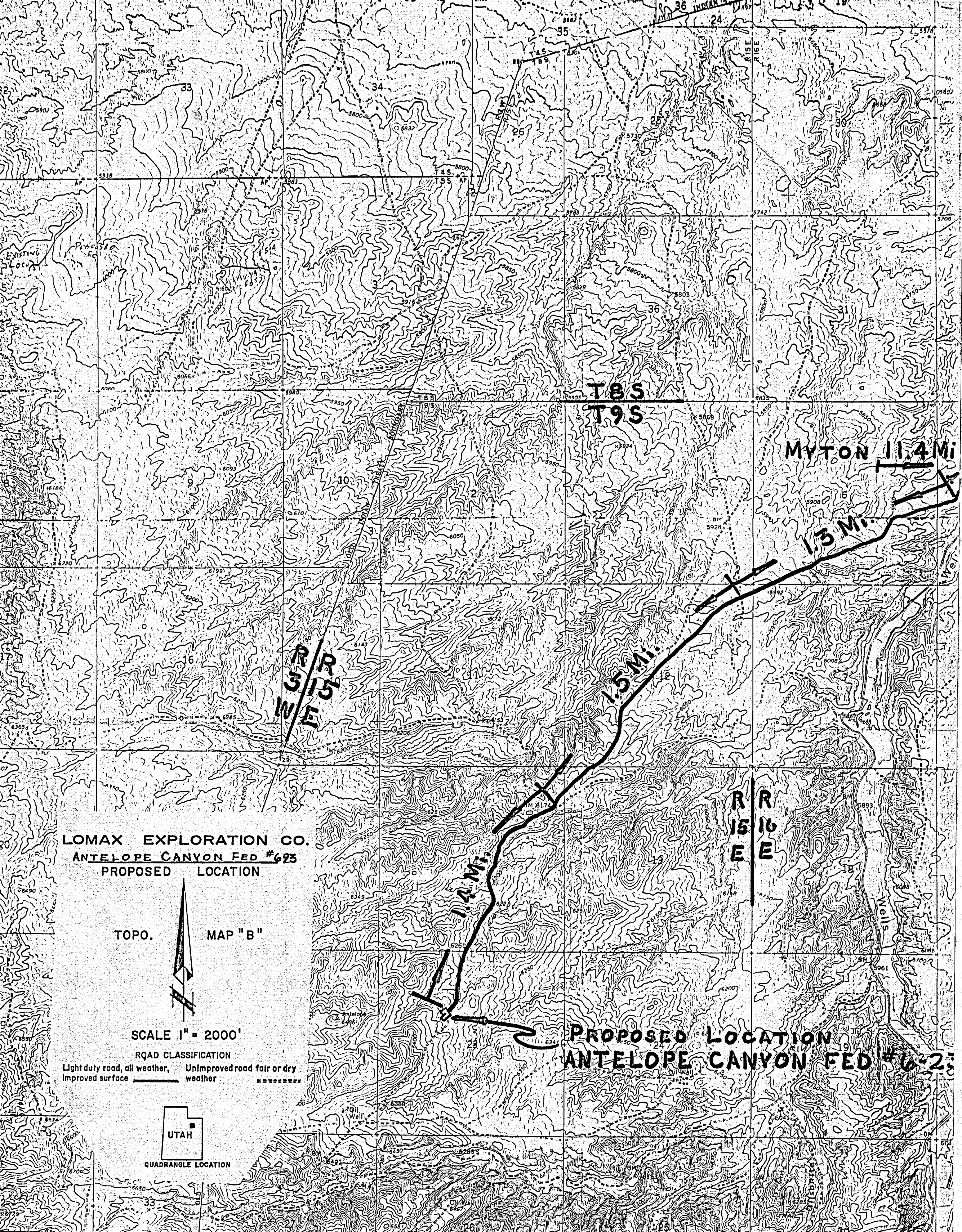
LOMAX EXPLORATION CO.

PROPOSED LOCATION

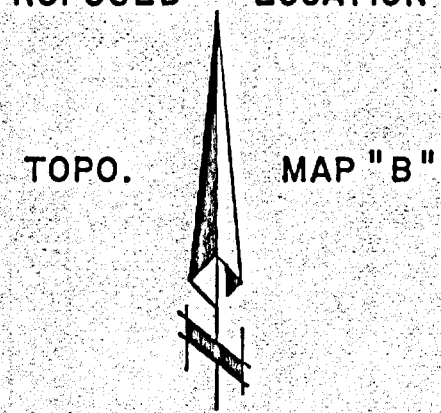
TOPO.

MAP "A"

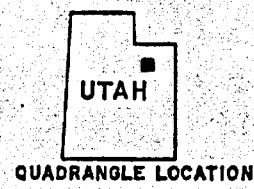
SCALE 1" = 4 MI.



LOMAX EXPLORATION CO.
ANTELOPE CANYON FED #623
PROPOSED LOCATION



ROAD CLASSIFICATION
Light duty road, all weather, Improved surface
Unimproved road fair or dry weather



PROPOSED LOCATION
ANTELOPE CANYON FED #623

OPERATOR Lomax Exploration DATE 11-26-84
WELL NAME Antelope Canyon Fed #6-23
SEC SE NW 23 T 9S R 15E COUNTY Richeson

43-013-31045
API NUMBER

Fed
TYPE OF LEASE

CHECK OFF:

☒

PLAT

☒

BOND

☐

NEAREST WELL

☒

LEASE

☒

FIELD

☒

POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other wells within 1000'

Need Water permit

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☒

c-3-b

☐

c-3-c

STIPULATIONS:

1- Water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

November 27, 1984

Lomax Exploration Company
P. O. Box 4503
Houston, Texas 77210

Gentlemen:

Re: Well No. Antelope Canyon Federal #6-23 - SE NW Sec. 23, T. 9S, R. 15E
1826' FNL, 1885' FWL - Duchesne County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

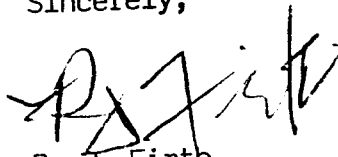
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Lomax Exploration Company
Well No. Antelope Canyon Fed. #6-23
November 27, 1984
Page 2

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31045.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. J. Firth', written over a horizontal line.

R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals



February 22, 1985

RECEIVED

FEB 27 1985

DIVISION OF OIL
GAS & MINING

U. S. Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Re: Request to Rescind Application For Permit
To Drill
Antelope Canyon Federal #6-23
SE/NW Section 23, T9S, R15E
Duchesne County, Utah
Lease #U-44425

Gentlemen:

Lomax Exploration Company hereby requests that you return our Application
For Permit to Drill the referenced well as our drilling plans no longer in-
clude this location.

If you have any questions, please call.

Very truly yours,

Paul Curry
Engineering Assistant

PC:da

cc: State of Utah
Div. of Oil, Gas and Mining
355 W. North Temple
#3 Triad Center
Salt Lake City, Utah 84180-1203

**Bureau of Land Management
Vernal District Office
170 South 800 East
Vernal, Utah 84078**

RECEIVED

MAR 01 1985

**DIVISION OF OIL
GAS & MINING**

**3100
O&G**

February 26, 1985

**Lomax Exploration Company
Attention: Paul Curry
P. O. Box 4503
Houston, Texas 77210-4503**

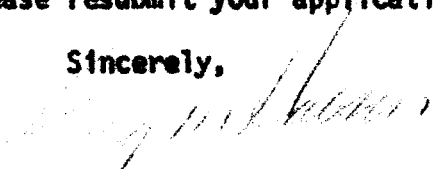
**RE: Application for Permit to Drill
Well No. Antelope Canyon Federal 6-23
Sec. 23, T9S, R15E
Lease No. U-44425**

Dear Mr. Curry:

**We are returning the referenced Application for Permit to Drill as
per your request.**

**Your application is being returned without prejudice. If you desire
to drill later at this location, please resubmit your application.**

Sincerely,


**Craig M. Hansen
ADM for Minerals**

Enclosures

**cc: State of Utah
Division of Oil Gas & Mining**



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 14, 1985

Lomax Exploration Company
Suite 800
333 North Belt E
Houston, Texas 77210-4503

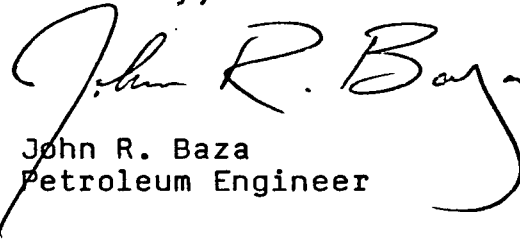
Gentlemen:

Re: Well No. Antelope Cyn Fed 6-23 - Sec. 23, T. 9S., R. 15E
Duchesne County, Utah - API #43-013-31045

In concert with action taken by the Bureau of Land Management, February 26, 1985, approval to drill the above-indicated well is hereby rescinded.

A new "Application for Permit to Drill" must be filed with this office, for approval, prior to future drilling of the subject location.

Sincerely,



John R. Baza
Petroleum Engineer

clj

cc: Dianne R. Nielson
Ronald J. Firth
File

0123S/34